

# AMAR SATTAUR

Platform Engineering | DevOps & Site Reliability | Cloud Infrastructure

## PROFESSIONAL SUMMARY

Staff-level DevOps and Platform Engineer with deep expertise in Kubernetes orchestration, CI/CD pipeline architecture, and cloud infrastructure automation. Proven track record of executing zero-downtime EKS cluster upgrades across multiple major versions, designing reusable CI/CD frameworks that accelerate development velocity, and leading cross-cloud migrations. Technical leader who combines hands-on implementation skills with the ability to communicate effectively with executive stakeholders and mentor engineering teams.

## TECHNICAL EXPERTISE

Container & Orchestration	Kubernetes (EKS, GKE), Docker, containerd, CRI-O, Helm, Karpenter, ArgoCD
Cloud Platforms	AWS (EKS, ECS, EC2, RDS, Route53, Secrets Manager), GCP, Oracle Cloud
CI/CD & Automation	GitHub Actions, Jenkins, CircleCI, ArgoCD, semantic-release, Terraform, Ansible
Observability	Prometheus, Grafana, DataDog, PagerDuty, OpsGenie
Languages & Scripting	Python, Bash, Go, TypeScript/JavaScript
Infrastructure as Code	Terraform (+ Terraform Cloud), CloudFormation, Ansible, Puppet

## PROFESSIONAL EXPERIENCE

### Staff DevOps Engineer

Mogo Financial | January 2025 – Present

- Serve as the primary owner of all production infrastructure, reporting directly to the COO on project status, technical blockers, and delivery timelines for initiatives with internal and external stakeholders.
- Executed zero-downtime EKS cluster upgrades from v1.26 to v1.33, implementing API deprecation audits with Pluto and coordinating Helm chart migrations across 40+ in-cluster services.
- Architected and managed a multi-cluster ArgoCD deployment using the control plane model, enabling centralized governance of downstream ArgoCD instances across environments.
- Led a large-scale cross-cloud migration from AWS to Oracle Cloud Infrastructure, designing the migration strategy, infrastructure provisioning, and cutover procedures.
- Established as the subject matter expert (SME) for all CI/CD pipelines (GitHub Actions, Jenkins), authoring reusable workflow templates and migrating legacy services to standardized patterns.
- Deployed and maintained self-hosted GitHub Actions runners via ARC (Actions Runner Controller), managing multiple runner groups with varied resource profiles across AWS and OCI.

### Platform Engineer (Contract)

Independent Consulting | December 2022 – January 2025

- Performed zero-downtime EKS upgrades spanning v1.24 to v1.30, including control plane and managed node group rollouts with pre-upgrade API compatibility validation.
- Orchestrated a complete AWS account migration using Terraform with community EKS modules, consolidating resources and eliminating infrastructure sprawl.
- Designed reusable GitHub Actions CI/CD pipelines for Python, Go, and TypeScript applications—implementing Docker layer caching, conditional job triggers, and GHCR publishing—reducing average build times by 35%.
- Implemented Karpenter with custom NodePools and NodeClasses, enabling intelligent cluster autoscaling and reducing compute costs by optimizing instance selection.
- Deployed foundational cluster infrastructure: ingress-nginx, external-secrets (AWS Secrets Manager), external-dns (Route53), cert-manager, and argocd-image-updater for automated deployments.
- Integrated CastAI for comprehensive cost monitoring and optimization recommendations across EKS workloads.

## Senior Site Reliability Engineer

Narvar | December 2021 – December 2022

- Led the end-to-end redesign of CI/CD infrastructure: refactored CircleCI pipelines with caching and artifact sharing, authored standardized CircleCI Orbs, and migrated deployments from raw kubectl to self-managed ArgoCD.
- Implemented semantic-release automation, enabling automated GitHub Releases with conventional-commit-based changelogs and eliminating manual versioning overhead.
- Authored base Helm charts with sensible defaults, feature flags, and JSON Schema validation, packaging in OCI format for distribution via Artifactory.
- Administered multiple Artifactory instances—configuring Okta SSO, PostgreSQL HA backend, retention policies, and automated vulnerability scanning.
- Drove cost optimization initiatives, identifying and remediating orphaned EBS volumes, idle EC2/RDS instances, and implementing preventive automation.
- Delivered technical presentations to executive leadership and mentored development teams on container adoption through workshops and embedded support.

## Senior Infrastructure Engineer

Exiger | May 2021 – December 2021

- Led the migration from IBM Cloud to GCP/Kubernetes, architecting the transition strategy and minimizing downtime during core application stack cutover.
- Engineered CI/CD pipelines in Jenkins and Bitbucket Pipelines with semantic versioning and automated testing, reducing build times by 40%+.
- Migrated from static Jenkins workers to ephemeral build nodes, eliminating workspace pollution and significantly reducing build failures.
- Authored standardized Helm charts that became the deployment template for all Kubernetes workloads across the organization.
- Strengthened security posture through granular IAM policies (least-privilege) and GKE Workload Identity implementation.
- Championed Terraform adoption with Terraform Cloud, standardizing infrastructure deployment across IBM Cloud and GCP environments.

## NOTABLE ACHIEVEMENTS

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- Cross-Cloud Migration Leadership: Designed and executed AWS-to-OCI migration strategy for Mogo Financial, coordinating infrastructure provisioning, application migration, and network architecture across cloud providers.
- CI/CD Standardization: Built reusable pipeline frameworks adopted across multiple organizations, reducing onboarding time for new services from days to hours.
- Kubernetes Upgrade Expertise: Maintained 100% uptime across 10+ major EKS version upgrades, developing repeatable runbooks and validation procedures.
- Developer Experience: Deployed self-hosted GitHub Actions runners at scale, providing teams with flexible compute options and reducing CI/CD queue times.